

Title (en)
AIR PRESSURE PROBE

Title (de)
LUFTDRUCKSONDE

Title (fr)
PRISE DE PRESSION D'AIR

Publication
EP 3040702 A1 20160706 (EN)

Application
EP 14839746 A 20140828

Priority
• RU 2013140011 A 20130829
• RU 2014000644 W 20140828

Abstract (en)
The invention relates to the field of aviation and to devices for determining aircraft flight parameters or wind tunnel flow parameters. The present device consists of a head part with intake holes located thereon, which are connected by channels to couplers, and a support, attached to the head part from behind. The surface of the head part is provided with vortex generators. The vortex generators can be in the form of indentations or protrusions of various shapes on the surface of the air pressure probe, or in the form of ribs formed as a result of the mating of elements of the flat or curved planes that form the surfaces of the head part and the support. The technical result is an increased operational range of measurement and a wider field of practical application.

IPC 8 full level
G01M 9/06 (2006.01); **G01P 5/165** (2006.01)

CPC (source: EP US)
G01M 9/06 (2013.01 - EP US); **G01P 5/165** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3040702 A1 20160706; EP 3040702 A4 20170412; EP 3040702 B1 20191030; CN 105659063 A 20160608; CN 105659063 B 20190319; RU 2013140011 A 20150310; RU 2542791 C1 20150227; US 10073112 B2 20180911; US 2016258974 A1 20160908; WO 2015030632 A1 20150305

DOCDB simple family (application)
EP 14839746 A 20140828; CN 201480056678 A 20140828; RU 2013140011 A 20130829; RU 2014000644 W 20140828; US 201414915614 A 20140828